


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

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1. (currently amended) A method for analyzing a data network having a plurality of routers comprising:
 - accessing at least one of static routing information and route summarization information;
 - determining ~~if an identity of a~~ particular network prefix is included in using the accessed information; and
 - determining an identity of a network device based on an identity included in the accessed information corresponding to the network prefix; and
 - analyzing the data network using the determined identity.
 2. (original) The method of claim 1 wherein the accessing includes:
 - accessing at least one of a static routing table and an open shortest path first route summarization table.
 3. (original) The method of claim 1 wherein the determining includes:
 - determining router information, interface information, and association information for the network prefix.
 4. (original) The method of claim 1 wherein the analyzing includes:
 - analyzing traffic of the data network.
 5. (original) The method of claim 1 wherein the analyzing includes:
 - modeling the data network.
 6. (original) The method of claim 1 wherein the determining includes:
 - determining an identity of an exit or entry router in the data network.

7. (currently amended) A system for analyzing a data network having a plurality of routers, said system comprising:

- means for accessing at least one of static routing information and route summarization information;
- means for determining ~~an identity of~~ if a particular network prefix is included in the ~~using the~~ accessed information; and
- means for determining an identity of a network device based on an identity included in the accessed information corresponding to the network prefix; and
- means for analyzing the data network using the determined identity.



8. (currently amended) A system for analyzing a data network, said system comprising:

- a memory configured to store information representing static routing information and route summarization information; and
- a processor configured to:
 - access at least one of the static routing information and the route summarization information;
 - determine ~~an identity of a network prefix using~~ if a particular network prefix is included in the accessed information; and
 - determine an identity of a network device based on an identity included in the accessed information corresponding to the network prefix; and
- analyze the data network using the determined identity.

9. (original) The system of claim 8 wherein, when accessing, the processor is configured to:

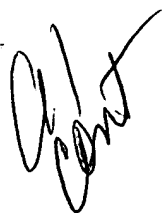
- access at least one of a static routing table and an open shortest path first route summarization table.

10. (original) The system of claim 8 wherein, when determining, the processor is configured to:

determine router information, interface information, and association information for the network prefix.

11. (original) The system of claim 8 wherein, when analyzing, the processor is configured to:

analyze traffic of the data network using the determined identity.

 12. (original) The system of claim 8 wherein, when analyzing, the processor is configured to:

model the data network using the determined identity.

13. (original) The system of claim 8 wherein, when determining, the processor is configured to:

determine an identity of an exit or entry router in the data network.

14. (currently amended) A computer-readable medium containing instructions for controlling at least one processor to perform a method that analyzes a data network having a plurality of routers, the method comprising:

accessing at least one of static routing information and route summarization information from a router;

determining ~~an identity of~~ if a particular network prefix using is included in the accessed information; and

determining an identity of a network device based on an identity included in the accessed information corresponding to the network prefix; and


analyzing the data network using the determined identity.

15. (original) The computer-readable medium of claim 14 wherein the accessing includes:

accessing at least one of a static routing table and an open shortest path first route summarization table.

16. (original) The computer-readable medium of claim 14 wherein the determining includes:

determining router information, interface information, and association information for the network prefix.



17. (original) The computer-readable medium of claim 14 wherein the analyzing includes:

analyzing traffic of the data network.

18. (original) The computer-readable medium of claim 14 wherein the analyzing includes:

modeling the data network.

19. (original) The computer-readable medium of claim 14 wherein the determining includes:

determining an identity of an exit or entry router in the data network.

20. (currently amended) A method for determining an identity of a network device, the network device being associated with a network prefix, the method comprising:

accessing one or more of a border gateway protocol peering table, a static route table, an open shortest path first route summarization table, and a network topology table;


determining whether one or more of the accessed tables contains the network prefix; and

determining an identity of the network device using the accessed tables when ~~a table~~ at least one of the accessed tables is determined to contain the network prefix.

21. (original) The method of claim 20 wherein the determining an identity includes:

determining router information, interface information, and association information.

22. (currently amended) A system for determining an identity of a network device, the network device being associated with a network prefix, the system comprising:

 a memory configured to store one or more of a border gateway protocol peering table, a static route table, an open shortest path first route summarization table, and a network topology table; and

a processor configured to:

access, from the memory, one or more of the border gateway protocol peering table, the static route table, the open shortest path first route summarization table, and the network topology table;

determine whether one of the accessed tables contains the network prefix; and

determine an identity of the network device using the accessed tables when ~~a table is~~ at least one of the accessed tables is determined to contain the network prefix.


23. (original) The system of claim 22 wherein, when determining an identity, the processor is configured to:

determine router information, interface information, and association information.

24. (currently amended) A computer-readable medium containing instructions for controlling at least one processor to perform a method that determines an identity of a network device, the network device being associated with a network prefix, the method comprising:

accessing, from a router, one or more of a border gateway protocol peering table, a static route table, an open shortest path first route summarization table, and a network topology table;

determining whether one of the accessed tables contains the network prefix; and


 determining an identity of the network device using the accessed tables when ~~a table~~ at least one of the accessed tables is determined to contain the network prefix.

25. (original) The computer-readable medium of claim 24 wherein the determining an identity includes:

determining router information, interface information, and association information.

26. (new) A method for determining an identity of a network device in an autonomous system using a network prefix, comprising:

determining whether the network prefix is included in a static routing table;

 setting the identity of the network device to an identity in the static routing table that corresponds to the network prefix if it is determined that the network prefix is included in the static routing table;

determining whether the network prefix is included in an Open Shortest Path First (OSPF) route summarization table; and


— setting the identity of the network device to an identity in the Open Shortest Path First (OSPF) route summarization table that corresponds to the network prefix if it is determined that the network prefix is included in the Open Shortest Path First (OSPF) route summarization table.

27. (new) The method of claim 26, wherein the network device is a router and wherein the setting of the identity of the network device to an identity in the static routing table includes:

setting the identity of the network device to an identity in a static route configured field.

28. (new) The method of claim 26 wherein the network device is an interface and wherein the setting of the identity of the network device to an identity in the static routing table includes:

setting the identity of the network device to an identity in an exit interface field.

 29. (new) The method of claim 26, wherein the network device is a router and wherein the setting of the identity of the network device to an identity in the Open Shortest Path First (OSPF) route summarization table includes:

setting the identity of the network device to an identity in a route summarization configured field.

30. (new) The method of claim 26, further comprising determining whether the network prefix is included in a network topology table;

setting the identity of the network device to an identity in the network topology table that corresponds to the network prefix if it is determined that the network prefix is included in the network topology table.

31. (new) The method of claim 30, wherein the network device is a router and wherein the setting of the identity of the network device to an identity in the network topology table includes:

setting the identity of the network device to an identity in a router field.